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EZ-MULZ™ 5725

Metal Processing

Semi-Synthetic Base

Application

EZ-Mulz 5725 is a fully formulated semi-synthetic base. Based on natural sodium sulfonate, secondary emulsifiers and other components, EZ-Mulz 5725 produces a highly efficient, general-purpose semi-synthetic fluid that has great wetting properties when diluted with water.

EZ-Mulz 5725 is free from chlorine, nitrites, phenols and heavy metals.

Typical Properties

Test	Typical
Appearance	Clear, amber liquid
Specific gravity at 25° C	0.96
Viscosity @40°C (cSt)	140
Total acid value, mg KOH/g	40
pH at 5% in water	9.0
Color (Gardner)	6

Benefits

- Excellent lubricity and corrosion protection
- Outstanding wetting properties on a variety of metal substrates
- Can be used for both ferrous and non-ferrous metals
- Useful for most machining operations
- Small emulsion particle size for clearer emulsion and better operator visibility
- Compatible with most standard biocides
- Does not contain boron, chlorine, phosphorous or sulfur

Performance

ASTM D-4627-92 Corrosion on Cast Iron Chips	
Product	Rating
5% EZ-Mulz 5725 in water	0

Ratings scale: 0 = no rust and 5 = 100% rust

Typical Applications

Basic Semi-Synthetic Fluid from Base Package

Component	% by weight	Function
Water	60-70	Diluent
EZ-Mulz 5725	30-40	Emulsifier base
Biocide/Fungicide	As required	Microbial and fungal control

Added Lubricity Semi-Synthetic Fluid from Base Package

Component	% by weight	Function
Water	53	Diluent
EZ-Mulz 5725	40	Emulsifier base
Lubristay 7511	5	Lubricity
Triethanolamine	2	Alkalinity
Biocide/Fungicide	As required	Microbial and Fungal Control

Semi-synthetic concentrates are typically diluted to 5% in water by the end user.

Storage and Handling

Recommended Maximum Long Term Storage Temperature*	Ambient
Recommended Minimum Temperature for Use	Ambient
Flash Point	>150°C COC

*Do not store with excessive heat (>150° F) over long periods.



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